

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/003,951
Filing Date	10/30/2001
First Named Inventor	Frederic Reblewski
Art Unit	2125
Examiner Name	Paladini, Albert William
Attorney Docket Number	003921.00069

Total Number of Pages in This Submission

690

ENCLOSURES (check all that apply)

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment / Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s)
(please identify below):
- Forms - PTO/SB/08a & 08b
- 1 Specification (incl. claims & drawings)
- 9 References
- 2 Office Actions
- 2 Responsive Amendments |
|---|--|--|

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual name

Christopher L. McKee, Reg. No. 32,384

Signature

Date

7/13/05

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

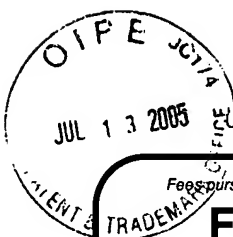
Typed or printed name

Signature

Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL for FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/003,951
Filing Date	10/30/2001
First Named Inventor	Frederic Reblewski
Examiner Name	Paladini, Albert William
Art Unit	2125
Attorney Docket No.	003921.00069

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : _____

☒ Deposit Account Deposit Account Number: 19-0733 Deposit Account Name: Banner & Witcoff, LTD.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below

☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s)

☒ Credit any overpayments

Under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Fee (\$)

50

Each independent claim over 30 (including Reissues)

200

Multiple dependent claims

360

Total Claims **Extra Claims** **Fee(\$)** **Fee Paid (\$)**

Multiple Dependent Claims

_____ -20 or HP= _____ x _____ = _____

Fee (\$) **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims **Extra Claims** **Fee(\$)** **Fee Paid (\$)**

_____ - 3 or HP= _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**

_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge) : Information Disclosure Statement

\$180

SUBMITTED BY

Signature	Registration No. 32,384	Telephone (202) 824-3000
Name (Print/Type)	Christopher L. McKee	Date

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frederic REBLEWSKI

Serial No.: 10/003,951

Filed: October 30, 2001

For: EMULATION COMPONENTS AND SYSTEM
INCLUDING DISTRIBUTED ROUTING AND
CONFIGURATION OF EMULATION RESOURCES)

Group Art Unit: 2125

Examiner: Albert William Paladini

Attorney Docket No.: 003921.00069

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Honorable Commissioner for Patents
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the U.S. Patent and Trademark Office is hereby directed to the references listed in the attached Form PTO/SB/08A. Pursuant to the Office's October 12, 2004 OG Notice, it is understood that 37 C.F.R. §1.98 no longer requires submission of a copy of each cited U.S. patent and published patent application, unless such copies are specifically required by the Office. Accordingly, copies of these are omitted. A copy of the other listed references is enclosed.

The attention of the U.S. Patent and Trademark Office is further directed to the fact that two related applications filed on the same day are concurrently undergoing examination. Pursuant to 37 C.F.R. §1.56, applicant provides the following identifications of the related applications, and attached hereto a copy of the indicated papers from the related examinations:

07/14/2005 HALI11 00000094 190733 10003951

01 FC:1806 180.00 DA

of Allowance. Pursuant to 37 CFR §1.97(c)(2), this Statement is accompanied by the \$180.00 fee specified in 37 C.F.R. §1.17(p). If there is any discrepancy in the fee, the Commissioner is authorized to charge our Deposit Account No. 19-0733.



Respectfully submitted,

Christopher L. McKee
Christopher L. McKee
Registration No. 32,384

BANNER & WITCOFF, LTD.
1001 G Street, N.W., 11th Floor
Washington, D.C. 20001-4597
(202) 824-3000

Date: July 13, 2005

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Serial No. 10/003,184 (PGP No. 2004/0034841 A1)
(Attorney Docket No. 003921.00070)
Entitled: Emulation Components And System Including Distributed Event
Monitoring And Testing Of An IC Design Under Emulation
Filed October 30, 2001
Examiner: Kandasamy Thangavelu

Papers Attached:

Office Action mailed March 10, 2005
Responsive Amendment filed June 10, 2005

Serial No. 10/001,070 (not yet published)
(Attorney Docket No. 003921.00071)
Entitled: Emulation Components and System Including Distributed Trace
Data Collection and Pre-Processing
Filed October 30, 2001
Examiner: Russell L. Guill

Papers Attached:

Specification, including original claims, and drawings
Office Action mailed March 18, 2005
Responsive Amendment filed June 16, 2005

Applicant submits this information so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be formally considered during the prosecution of this application, and that the listed references appear among the "References Cited" on any patent to issue herefrom.

The present Supplemental Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits, but before a Final Office Action or Notice

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/003,951
Filing Date	10/30/2001
First Named Inventor	Frederic Reblewski
Art Unit	2125
Examiner Name	Paladini, Albert William
Attorney Docket Number	003921.00069

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 5,663,900	09-1997	Bhandari et al.	
		US- 5,680,583	10-21-1997	Kuijsten /	
		US- 5,821,773	10-13-1998	Norman et al.	
		US- 5,940,603	08-1999	Huang, Thomas B.	
		US- 5,999,725	12-1999	Barbier et al.	
		US- 6,184,707	02-06-2001	Norman et al.	
		US- 2002/0055828	05-2002	Swoboda et al.	
		US- 2002/0116168	08-2002	Kim, Mahn Bok	
		US- 6,496,913	12-2002	DeHon et al.	
		US- 2002003/0182641	09-2003	Vang, Sei-Yang	
		US- 2003/0179712	09-2003	Kobayashi et al.	
		US- 2004-0034841-A1	02-19-2004	Reblewski	

FOREIGN PATENT DOCUMENTS

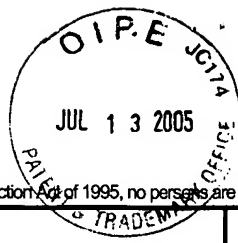
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 0,651,343 A1	05-03-1995	Quickturn Systems Inc.		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08b(08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/003,951
Filing Date	10/30/2001
First Named Inventor	Frederic Reblewski
Art Unit	2125
Examiner Name	Paladini, Albert William
Attorney Docket Number	003921.00069

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Erhard et al., W. First Steps Towards a Reconfigurable Asynchronous System, IEEE International Workshop on Rapid System Prototyping, 1999, pgs. 28-31	
		Kocan et al., F. Concurrent D-Algorithm on Reconfigurable Hardware, IEEE/ACM International Conference on Computer-Aided Design, 1999, Digest of Technical Papers, pgs. 152-155	
		Clos, Charles, "A study of Non-Blocking Switching Networks," The Bell System Technical Journal, March 1953, pgs. 406-424	
		Bosi et al., B. Reconfigurable Pipelined 2-D Convolvers for Fast Digital Signal Processing, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, vol. 7, Issue 3, Sept. 1999, pgs. 299-308	
		Ejnioui et al., A. Design Partitioning on Single-Chip Emulation Systems, 13 th International Conference on VLSI Design, 2000, pgs. 234-239	
		Jean, J.S.N., et al., "Dynamic Reconfiguration to Support Concurrent Applications," IEEE Transactions on Computers, June 1999, IEEE, USA, vol. 48, No. 6, pgs. 591-602	
		Snider, G., "The Teramac Compiler," Nov. 29, 1993, pgs. 1-51	
		Babb, J, et al., "Logic Emulation with Virtual Wires," IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, June 1997, pgs. 1-20	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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